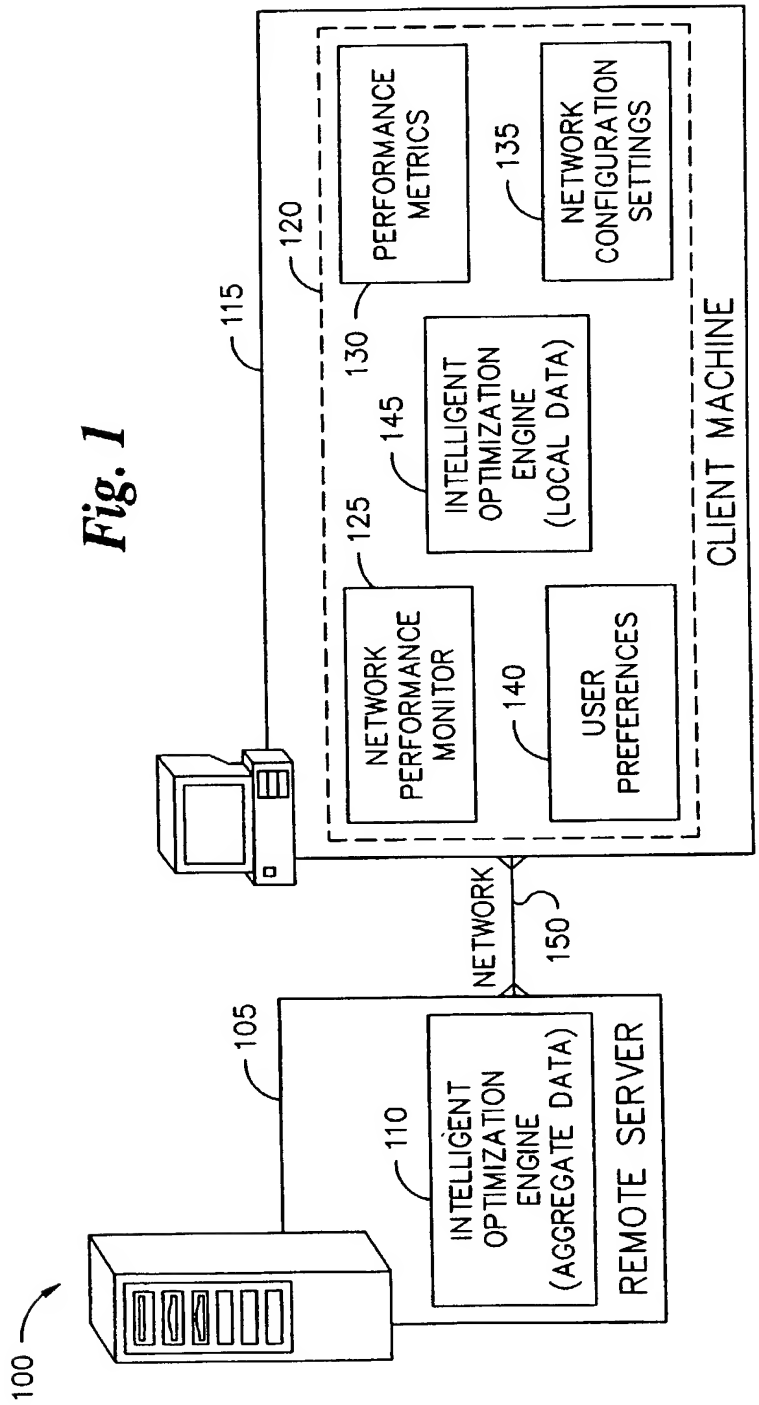
Fig. 1


100
105
REMOTE SERVER
110
INTELLIGENT OPTIMIZATION ENGINE (AGGREGATE DATA)
NETWORK
150
115
CLIENT MACHINE
120
125
NETWORK PERFORMANCE MONITOR
130
PERFORMANCE METRICS
135
NETWORK CONFIGURATION SETTINGS
140
USER PREFERENCES
145
INTELLIGENT OPTIMIZATION ENGINE (LOCAL DATA)

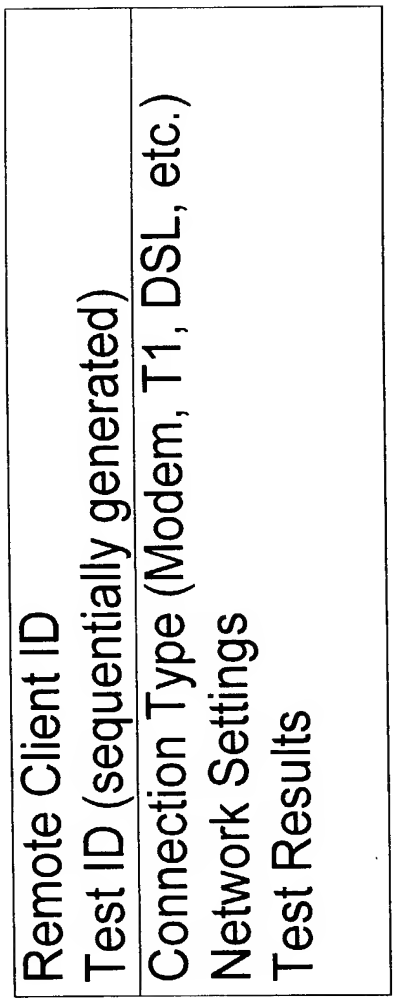

Remote Client ID
Test ID (sequentially generated)
Connection Type (Modem, T1, DSL, etc.)
Network Settings
Test Results

Fig. 2

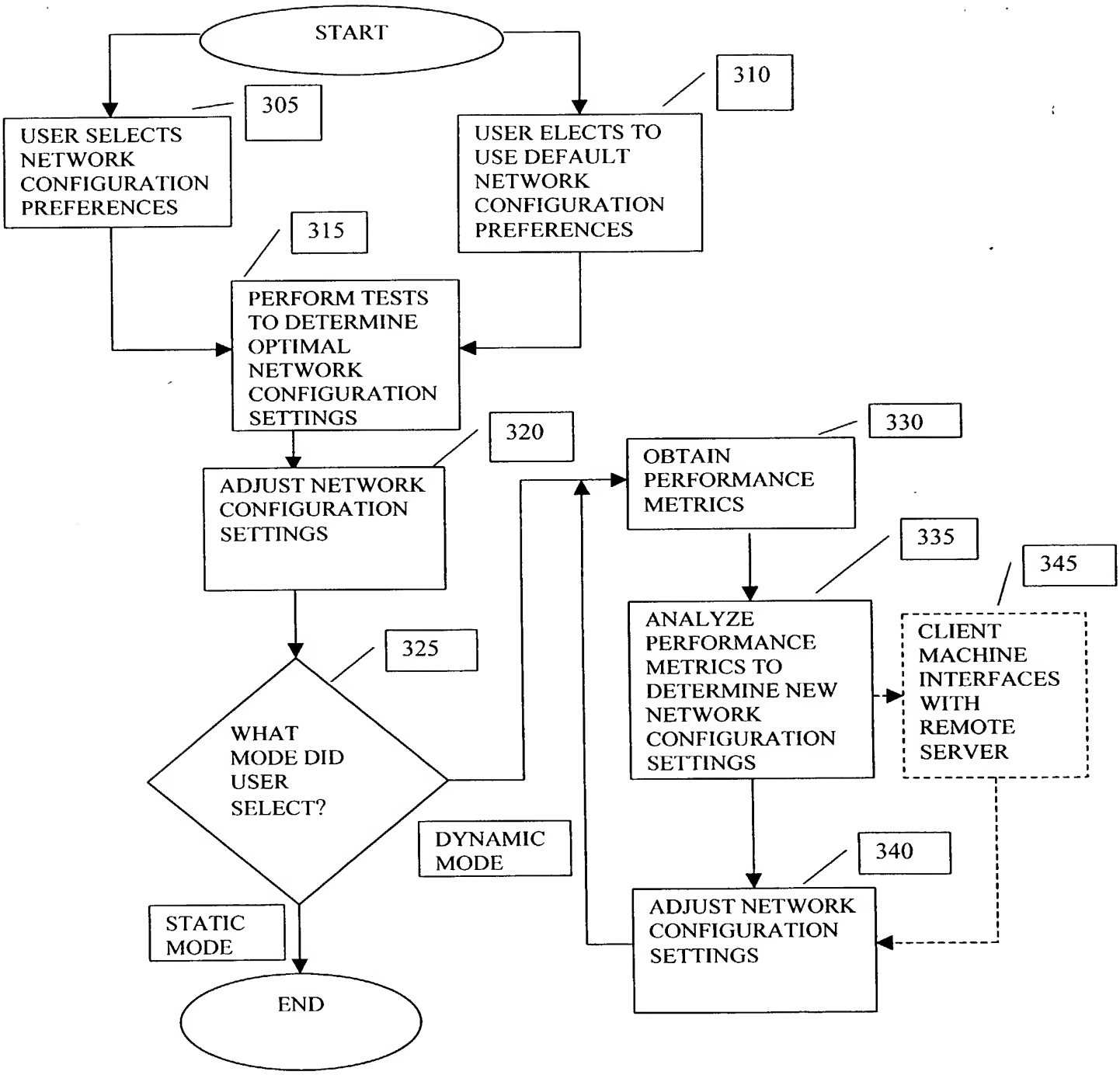

START
305
USER SELECTS NETWORK CONFIGURATION PREFERENCES
310
USER ELECTS TO USE DEFAULT NETWORK CONFIGURATION PREFERENCES
315
PERFORM TESTS TO DETERMINE OPTIMAL NETWORK CONFIGURATION SETTINGS
320
ADJUST NETWORK CONFIGURATION SETTINGS
330
OBTAIN PERFORMANCE METRICS
335
ANALYZE PERFORMANCE METRICS TO DETERMINE NEW NETWORK CONFIGURATION SETTINGS
345
CLIENT MACHINE INTERFACES WITH REMOTE SERVER
325
WHAT MODE DID USER SELECT?
DYNAMIC MODE
STATIC MODE
340
ADJUST NETWORK CONFIGURATION SETTINGS
END

Fig. 3

Group of Network Configuration Settings	Ping Time	Ping Time Percentage Score	Throughput	Throughput Percentage Score	Weighted Overall Percentage Score
G1	10 ms	100%	2000 kb/sec	44%	72%
G2	20 ms	50%	1500 kb/sec	33%	41.5%
G3	30 ms	33%	3000 kb/sec	66%	49.5%
G4	40 ms	25%	500 kb/sec	11%	18%
G5	50 ms	20%	4500 kb/sec	100%	60%

Fig. 4

Maximum Transmission Unit (MTU)	Scoring Result
512	32%
1024	57%
2048	90%
3072	27%

Fig. 5

Title: Determining Network Configuration, . Performance
Inventors: Adam R. Schran et al
Attorney Docket No. 10397-3U1 Cust. No. 570
U.S. Patent Application No. 10/078,815

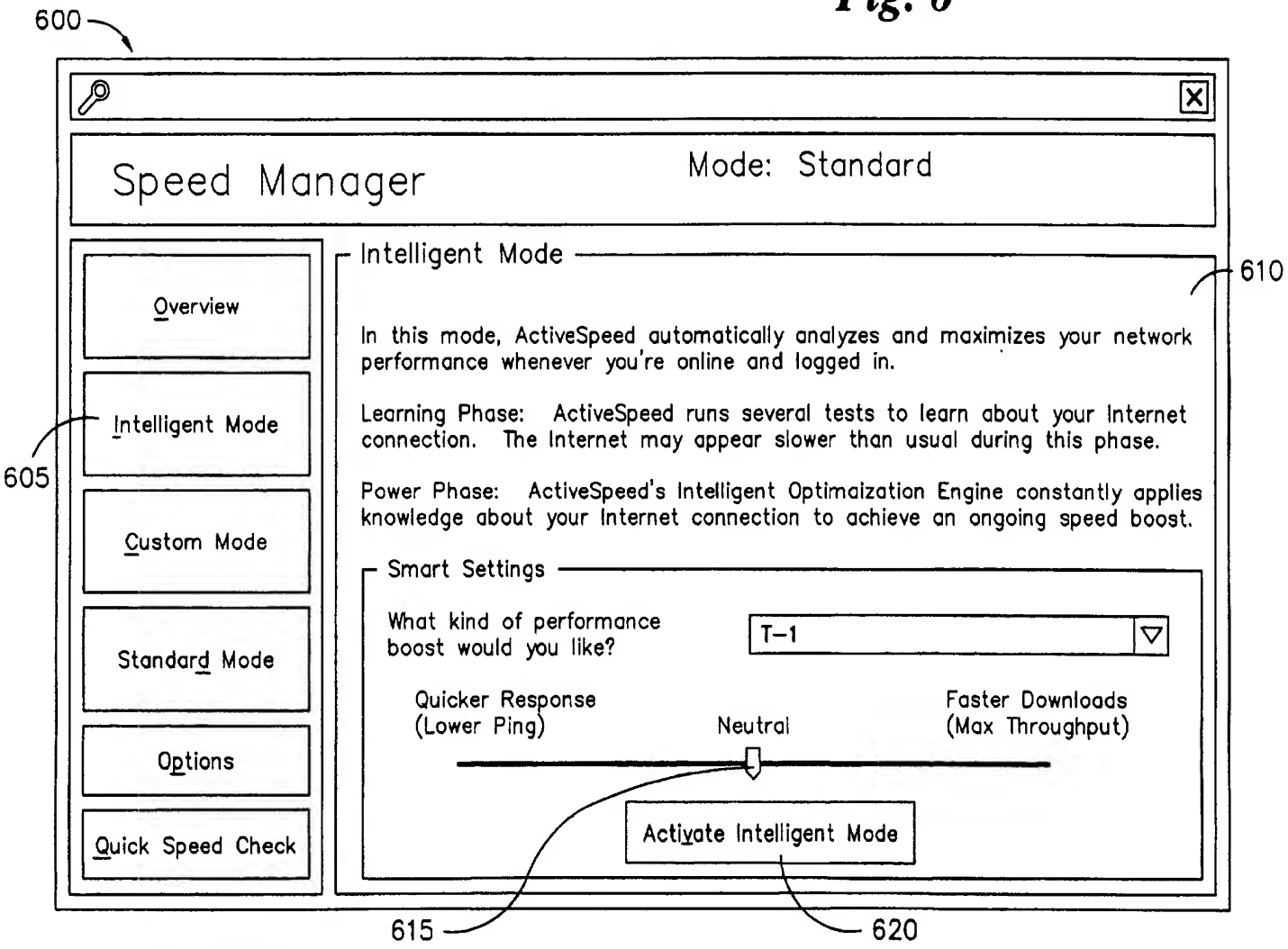



Fig. 6